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Attorney's Docket No.: 17315-002002

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Frederick G. St. Goar
Serial No.: 10/820,581
Filed: April 7, 2004

Art Unit: 3732
Examiner: Unknown
Conf. No.: 8576

Title : METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

Mail Stop Amendment Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Dear Sir:

Transmitted herewith are a Supplemental Information Disclosure Statement, Form PTO-1449 (4 pages), and a return postcard for filing in connection with the above-captioned patent application.

The Commissioner is hereby authorized to charge the fee for the extension of time and any other fee that may be due in connection with this and the attached papers or with this application during its entire pendency to Deposit Account No. 06-1050. A duplicate of this sheet is enclosed.

Date: September 19, 2005

Fred C. Hernandez

Respectfully submitted,

Fred C. Hernandez

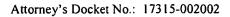
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CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

	September 19, 2005
Date of Deposit	
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Signature	
	Kelly M. Smith





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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT IN ACCORDANCE WITH 37 C.F.R. §§1.97-1.98

Dear Sir:

Because this Supplemental Information Disclosure Statement is filed before the receipt of a First Office Action on the Merits for the above-captioned application, a fee for filing this statement should not be due. If, however, it is determined that a fee is due, any fees that may be due in connection with filing this paper may be charged to Deposit Account No. 06-1050.

In accordance with the duty of disclosure imposed by 37 C.F.R. §1.56 to inform the Patent Office of all information known by Applicant or Applicant's representative that may be material to the examination of the subject application, Applicant's representative hereby provides this Supplemental Information Disclosure Statement that is prepared in accordance with 37 C.F.R. §§1.97-1.98. Form PTO-1449 (4 pages) is provided herewith in connection with the above-captioned application. The cited documents listed on the Form PTO-1449 are not provided herewith as they have been previously provided in connection with U.S. Serial Nos. 10/635,776, which is relied upon for an earlier filing date in accordance with 35 U.S.C. §120.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

	September	<u>r 19, 2005</u>	
Date of Depos			
	Kelly	U.	Smith.
Signature		1.3	, ,
	Kelly M	1. Smith	

Applicant: Frederick G. St. Goar

Serial No.: 10/820,581

Attorney's Docket No.: 17315-002002

Supplemental Information Disclosure Statement

Serial No.: 10/820,581 Filed: April 7, 2004

Page : 2 of 3

The documents listed on the Form PTO-1449 with the exception of Items BF, CC and CH are in the English language. Hence, in accordance with the requirements of 37 C.F.R. §1.98, as amended effective March 16, 1992, no further explanation of the listed item is necessary.

Applicant also makes known to the Examiner the following pending U.S. and International Applications that have one or more common inventors and/or are commonly owned:

<u>U.S.S.N.</u>	Filing Date	Publication No.	Docket No.
09/894,463	06/27/01	2002/0013571	020489-000400US
10/087,004	03/01/02	2003/0167071	20489-000500US
10/202,599	07/24/02	2002/0183766	20489-000310US
10/441,508	05/19/03	2004/0092962	20489-001500US
10/441,531	05/19/03	2004/0049207	20489-001400US
10/441,687	05/19/03	2004/0087975	20489-001700US
10/441,753	05/19/03	2004/0044350	20489-001200US
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10/927,589	08/25/04	2005/0021057	020489-000150US
60/650,918	02/07/05	n/a	17315-004P01
11/058,957	02/15/05	2005/0149014	020489-001830US
60/674,931	04/25/05	n/a	17315-005P01
60/692,802	06/21/05	n/a	17315-004P02

Although these documents are made known to the Patent and Trademark Office in compliance with Applicant's duty of disclosure, such disclosure is not to be construed as an admission by Applicant or Applicant's representative that any of the references is effective as prior art against the subject application. In accordance with 37 C.F.R. §1.97(h), the filing of this Supplemental Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(b) exists.

Applicant: Frederick G. St. Goar

Serial No.: 10/820,581 Filed: April 7, 2004

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Attorney's Docket No.: 17315-002002 Supplemental Information Disclosure Statement

Applicant respectfully requests that the Examiner review the foregoing references and make them of record in the file history of the above-captioned application.

Respectfully submitted,

Date: September 19, 2005

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Department of Commerce

Attorney's Docket No. 17315-002002

Application No. 10/820,581

List of Patents and Publications for Applicant's **Information Disclosure Statement**

Applicant Frederick G. St. Goar

Filing Date April 7, 2004 Group Art Unit 3732

(37 CFR §1.98(b))

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	2002/0161378	10/31/02	Downing	606	108	06/15/01
	AB	2002/0183835	12/05/02	Taylor et al.	623	2.11	02/05/02
	AC	2003/0105519	06/05/03	Fasol et al.	623	2.1	09/04/98
-	AD	2003/0187467	10/02/03	Schreck	606	150	03/26/02
	AE	2004/0097979	05/20/04	Svanidze et al.	606	151	11/14/02
	AF	2004/0158123	08/12/04	Jayaraman	600	37	02/02/04
	AG	2004/0236354	11/25/04	Seguin, J.	606	139	06/24/04
	AH	5,769,863	06/23/98	Garrison	606	148	12/16/96
	AI	6,575,971	06/10/03	Hauck et al.	606	52	11/15/01
	. AJ	6,626,930	09/30/03	Allen et al.	606	213	05/01/00

	Foreig	n Patent Do	cuments or F	Published Foreign	Patent A	Application	าร	
Examiner	Desig.	Document	Publication	Country or			Trans	slation
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
	AK	03/001893	01/09/03	PCT				
	. AL	03/073913	09/12/03	PCT				
	AM	04/112585	12/29/04	PCT				
	AN	04/112651	12/29/04	PCT				
	AO	05/032421	04/14/05	PCT				
	AP	05/062931	07/14/05	PCT				

	Other Documents (include Author, Title, Date, and Place of Publication)					
Examiner	Desig.					
Initial	ID	Document				
	AQ	Agricola et al., "Mitral valve reserve in double orifice technique: an exercise echocardiographic study," Journal of Heart Valve Disease 11(5): 637-643 (2002)				
	AR	Alfieri et al., "An effective technique to correct anterior mitral leaflet prolapse," J. Card. Surg. 14(6): 468-470 (1999)				
		Alfieri et al., "Novel suture device for beating heart mitral leaflet approximation," Annals of Thoracic Surgery 74: 1488-1493 (2002)				
	АТ	Alfieri et al., "The double orifice technique in mitral valve repair: a simple solution for complex problems," Journal Of Thoracic Cardiovascular Surgery 122: 674-681 (2001)				

Examine	Signature

Date Considered

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute Form PTO-1449 (Modified) U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 17315-002002	Application No. 10/820,581				
List of Patents and Publications for Applicant's Information Disclosure Statement			Applicant Frederick G. St. Goar				
			Filing Date	Group Art Unit			
(37 CFR §1.98(b)) April 7, 2004 3732							
		ocuments (include Author, ⁻	<u> Fitle, Date, and Place o</u>	f Publication)			
Examiner Initial	Desig. ID		Document				
	AU	Alfieri, O., "Surgical Treatment of At to-edge repair of the mitral valve," [A Technology, Heart Surgery Forum, pp	bstract] 6th Annual NewEra Ca				
	AV	Alfieri, O., "The edge-to-edge repair Care: Innovation & Technology, Hear	of the mitral valve," [Abstract]				
	AW	Arisi et al., "Mitral valve repair with a early echocardiographic results," Circ					
	AX	Bhudia, S., "Edge-to-edge mitral repa Foundation, Cleveland, Ohio, http://w	ir: a versatile mitral repair techn	ique," The Cleveland Clinic			
	AY	Borghetti et al., "Preliminary observation following 'double-orifice' mitral valv 262-269 (2001)					
	AZ	Castedo, "Edge-to-edge tricuspid repair for redeveloped valve incompetence after DeVega's annuloplasty," Ann Thora Surg. 75: 605-606 (2003)					
	BA	Dottori et al., "Echocardiographic imaging of the Alfieri type mitral valve repair," Ital. Heart J. 2(4): 319-320 (2001)					
	BB	Downing et al., "Beating heart mitral valve surgery: preliminary model and methodology," Journal of Thoracic and Cardiovascular surgery 123(6): 1141-1146 (2002)					
	ВС	Falk et al., "Computer-enhanced mitra Seminars in thoracic and cardiovascu	al valve surgery: toward a total e				
	BD	Fundarò et al., "Chordal placation and repair: 8 year follow-up," Annals of T	free edge remodeling for mitra	l anterior leaflet prolapse			
	BE	Garcia-Rinaldi et al., "Left ventricula	Garcia-Rinaldi et al., "Left ventricular volume reduction and reconstruction is ischemic cardiomyopathy," Journal of Cardiac Surgery 14: 199-210 (1999)				
	BF	Gatelienė, "Early and postoperative results results of metal and tricuspid valve insufficiency surgical treatment using edge-to-edge central coaptation procedure," Medicina 38 (Suppl 2): 172-175 (2002) [Article in Lithuanian, English summary on page 174 of the article]					
	BG	Gatti et al., "The edge to edge technique as a trick as a trick to rescue an imperfect mitral valve repair," Eur. J. Cardiothorac Surg 22(5): 817-20 (2002)					
,	вн	Gillinov et al., "Is minimally invasive heart valve surgery a paradigm for future?" Current Cardiology Reports 1: 318-322 (1999)					
	BI	Gundry et al., "Facile Minimally Invasive Cardiac Surgery via Ministernotomy," Ann. Thorac. Surg. 65: 1100-1104 (1998)					
	ВЈ	Ikeda et al., "Batista's operation with coronary artery bypass grafting and mitral valve plasty for ischemic dilated cardiomyopathy," The Japanese Journal of Thoracic and Cardiovascular Surgery 48: 746-749 (2000)					
	ВК	Izzat et al., "Early experience with pa of Thoracic Surgery 67: 1703-1707 (1		Asis-Pacific Region," Annuals			
	BL	Källner et al., "Transaortic approach f	for the Alfieri Stitch," Ann Thor	ac Surg 71: 378-380 (2001)			
	ВМ	Kavarna et al., "Transaortic repair of mitral regurgitation," Presented at the third annual New Era Cardiac Care conference, San Diego, CA, January 13-16 (2000), http://www.hsforum.com/vol3/issue1/2000-2389print.html (accessed on December 14, 2004)					

Examiner Signature	Date Considered	
EXAMINER: Initial if citation considered, whether or not citation is in co		
conformance and not considered. Include copy of this form with next co	mmunication to applicant.	

		U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17315-002002	Application No. 10/820,581		
		d Publications for Applicant's n Disclosure Statement	Applicant Frederick G. St. Goar			
(37 CFR §1.98	i(b))		Filing Date April 7, 2004	Group Art Unit 3732		
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	BN	Kaza et al., "Ventricular reconstructio of mitral insufficiency," Annals of Su	rgery 235(6): 828-832 (2002)			
	во	Kherani, "The edge-to-edge mitral val Thorac. Surg. 78: 73-76 (2004)		•		
	BP	Konertz et al., "Results after partial le Journal of Cardiac Surgery 14(2): 129	-135 (1999)			
	BQ	Kron et al., "Surgical relocation of the regurgitation," Annals. of Thoracic Su	rgery 74: 600-601 (2002)			
	BR	Krüger et al., "Edge to edge technique (Supplement I): page 106 (abstract p7	3) (2000)	•		
	BS	Lorusso et al., "'Double-Orifice' techendocarditis," J. Card Surg 13: 24-26	(1998)			
	ВТ	Lorusso et al., "The double-orifice tec postoperative outcome," Eur J. Cardio	othorac Surg 20(3): 583-589 (200	01)		
	BU	Maisano et al., "The double orifice repair," Circulation (Supplement 1) 10	00(18): I-94 (1989)	•		
	BV	Maisano et al., "The double orifice ted due to severe myxomatous disease: su 17: 201-205 (2000)	rgical technique," European Jou	rnal of Cardiothoracic Surgery		
	BW	Maisano et al., "The hemodynamic ef 3D computational model: a 3D computations and the state of t	ntational model," European Journ	nal of Cardio-thoracic Surgery		
	BX	Maisano et al., "Valve repair for traun 867-873 (1996)				
	BY	Mantovani et al., "Edge-to-edge repai Heart Valve Dis., 9(5): 641-643 (2000)	•	I regurgitation: case report," J.		
	BZ	McCarthy et al., "Partial left ventriculectony and mitral valve repair for end-stage congestive heart failure," European Journal of Cardio-thoracic Surgery 13: 337-343 (1998)				
	CA	Moainie et al., "Correction of traumatic tricuspid regurgitation using the double orifice technique, "Annals of Thoracic Surgery 73: 963-965 (2002)				
	СВ	Morales et al., "Development of an off bypass mitral valve repair," The Heart Surgery Fourm #1999-4693," 2(2): 115-120 (1999)				
	CC	Nakanishi et al., "Early outcome with the Alfieri mitral valve repair," J. Cardiol. 37(5): 263-266 (2001) [Abstract in English; Article in Japanese]				
	CD	Nielsen et al., "The edge-to-edge mitral repair: tension of the approximating suture and leaflet deformation during acute ischemic mitral regurgitation in the ovine heart," Circulation 104(Suppl 1): I-29-I-35 (2001)				
-	CE	Osawa et al., "Partial left ventriculected Japanese Journal of Thoracic and Care				
	CF	Privitera et al., "Alfieri Mitral Valve I (2002)				
	CG	Redaelli et al., "A computational study of the hemodynamics after 'edge-to-edge' mitral valve repair," Journal of Biomechanical Engineering 123: 565-570 (2001)				

Examiner Signature

Date Considered

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Substitute Form PTO-1449 (Modified) U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 17315-002002	Application No. 10/820,581		
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	Other D	ocuments (include Author,	Title, Date, and Place o	f Publication)	
Examiner Initial	Desig. · ID		Document		
	СН	Tamura et al., "Edge to edge repair for mitral regurgitation on a patient with chronic hemodialysis: report of a case," Kyobu Geka 54(9): 788-790 (2001) [Article in Japanese, English Summary]			
	CI	Timek, "Edge-to-edge mitral repair: gradients and three-dimensional annular dynamics in vivo during inotropic stimulation," European Journal of Cardio-thoracic Surgery 19: 431-437 (2001)			
	CJ	Timek, "Edge-to-edge mitral valve repair without ring annuloplasty for acute ischemic mitral regurgitation," Circulation 108 (Supplement II): II-122—II-127 (2003)			
	CK	Totaro, "Mitral valve repair for isolated prolapse of the anterior leaflet: an 11-year follow-up," European Journal of Cardio-thoracic Surgery 15: 119-126 (1999)			
	CL	Votta et al., "3-D computational analysis of the stress distribution on the leaflets after edge-to-edge repair of mitral regurgitation," Journal of Heart Valve Disease 11: 810-822 (2002)			

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